

Application No.: 10/691182
Docket No.: FL0210USCIP

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Amendments to Claims

20. (Canceled)

21. (Currently Amended) A process for applying TFE/HFP copolymer to a conductor comprising:

- (a) fluorinating TFE/HFP copolymer in an extruder, and
- (b) extruding said TFE/HFP onto a conductor

wherein said fluorinating comprises

- (i) melting said ~~fluoropolymer copolymer~~,
- (ii) contacting said molten ~~fluoropolymer copolymer~~ with fluorine in isolation from said melting, said contacting being carried out in a reaction zone having free volume,
- (iii) subdividing molten ~~fluoropolymer copolymer~~ in said reaction zone to enable said fluorine to effectively contact said molten ~~fluoropolymer copolymer~~ so as to carry out the chemical reaction between said fluorine and said molten ~~fluoropolymer copolymer~~,
- (iv) devolatilizing the resultant molten ~~fluoropolymer copolymer~~ in isolation from (b) and (c), and
- (v) cooling the devolatilized ~~fluoropolymer copolymer~~.